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(54) **Reverse seal**

(57) An improved dual lip radial shaft seal (200) is disclosed. The free end (36) of the dual lip seal (200) extends toward the air side (8) of the seal. Optionally, the dual lip seal has an oil side excluder lip seal (50), an

air side dust excluder lip seal (60), and an elastomeric static seal (24) extending from the elastomeric portion of the dual lip seal (100). A unitized seal version is also disclosed with two embodiments.

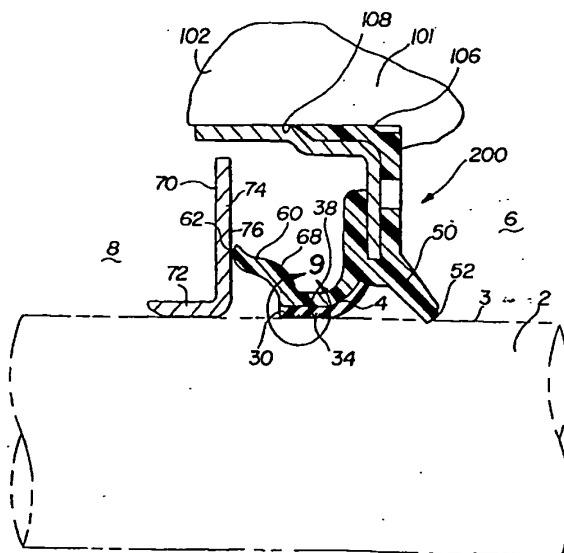


Fig-8

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EUROPEAN SEARCH REPORT

Application Number
EP 99 11 9790

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Place of search THE HAGUE		Date of completion of the search 28 February 2001	Examiner Van Wel, O
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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